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Rec'd PCT/PTO 08 FEB 2005

	From the	INTERNATIONAL	SEARCHING	AUTHORITY
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To:							
BASELL POLYOLEFINE GMBH Intellectual Property Eingang							
Industriepark Hochst	119						
1	(PCT Article 17(3)(a) and Rule 40.1)						
Building E413 D-65926 Frankfurt/Main 25. NOV. 2	003						
GERMANY							
Patentstelle.	E 413						
L. d.							
	Date of mailing						
	(day/month/year) 24/11/2003						
Applicant's or agent's file reference	PAYMENT DUE						
FR6044 DE	within 30 流流光路s/days from the above date of mailing						
International application No.							
	International filing date (day/month/year)						
PCT/EP 03/08472	31/07/2003						
Applicant							
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BASELL POLYOLEFINE GMBH							
This International Searching Authority							
(i) appointment that there are							
(i) considers that there are (nu by the claims indicated XXXX/on the extra sheet:	mber of) inventions claimed in the international application covered						
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and it considers that the international application does no	t comply with the requirements of unity of investiga						
and it considers that the international application does no (Rules 13.1, 13.2 and 13.3) for the reasons indicated (Rules 13.1, 13.2 and 13.3)	W/on the extra sheet:						
	·						
(ii) X has carried out a partial international search (see An	nex) will establish the international search report						
on those parts of the international application which relate	to the invention first mentioned in claims Nos.:						
1 (part), 2-16 (part 1)							
(iii) will establish the international energh remark on the ethan of							
(iii) will establish the international search report on the other p to which, additional fees are paid	parts of the international application only it, and to the extent						
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2. The applicant is hereby invited, within the time limit indicated	above, to pay the amount indicated below:						
EUR 945,00 x3	= EUR 2.835,00						
Fee per additional invention number of additional in	ventions total amount of additional fees						
Orx	_						
The applicant is informed that, according to Rule 40.2(c), the part of the par	nyment of any additional fee may be made under and						
i.e., a reasoned statement to the effect that the international app	plication complies with the requirement of unity of invention						
or that the amount of the required additional fee is excessive.							
3. Claim(s) Nos.	, house bean found to be consequently and a						
Article 17(2)(b) because of defects under Article 17(2)(a)	have been found to be unsearchable under and therefore have not been included with any invention.						
Name and mailing address of the International Searching Authority	Authorized office!						
European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Véronique Baillou							
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,							
Fax: (+31-70) 340-3016							
Form PCT/ISA/206 (July 1992)							
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This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1 (part 1) 2-16 (part 1)

Ziegler catalyst comprising: a magnesium alkoxide (component a), a transition metal compound (component b), an organometallic compound (component c), a compound of the chemical formula M-R(x), where M is an element of the main group IV and R is halogen Process according to claim 8,12 with the above described catalyst

2. Claims: 1 (part 2) 2-16 (part 2)

Ziegler catalyst comprising: a magnesium alkoxide (component a), a transition metal compound (component b), an organometallic compound (component c), a compound of the chemical formula M-R(x), where M is an element of the main group IV and R is an organic radical having from 1-10 carbon atoms

Process according to claim 8,12 with the above described catalyst

.3. Claims: 1 (part 3),2-16 (part 3)

Ziegler catalyst comprising: a magnesium alkoxide (component a), a transition metal compound (component b), an organometallic compound (component c), a compound of the chemical formula M-R(x), where M is an element of the main group IV and R is oxyalkyl. Process according to claim 8,12 with the above described catalyst

4. Claims: 1 (part4), 2-16 (part 4)

Ziegler catalyst comprising: a magnesium alkoxide (component a), a transition metal compound (component b), an organometallic compound (component c), a compound of the chemical formula M-R(x), where M is an element of the main group IV and R is oxyalkyl.

R is cycloalkyl having from 4-8 carbon atoms in the ring Process according to claim 8,12 with the above described catalyst

- 1. The present set of claims lacks unity. The single general inventive concept linking the 4 inventions is a polymerization catalyst comprising:
- (A) a magnesium alkoxide
- (B) a transition metal compound
- (C) an organometallic compound
- (D) a compound of the formula MR(x), where M is an element of main group IV

a process for preparing said Ziegler catalyst (claim 8) and its use for the polymerization of alpha-olefines. The object of the invention is to

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find a catalyst system that produces significantly smaller amount of wax.

2. The prior art has been identified as: D1: EP 0522424 The prior art describes a solid catalyst component (page 3, line 8 line 18) prepared by reacting a homogeneous solution containing (I) at least one member selected from the group consisting of metal magnesium and a hydroxylated organic compound, and oxygen-containing organic compounds of magnesium, (=component A of claim 1: magnesium alkoxide prepared in situ, see eq. example 1 D1 or page 3, line 40); (II) at least one zirconium compound selected from the group consisting of oxygen-containing organic compounds and halogen-containing compounds of zirconium, (=component B of claim 1: transition metal compound) (III) at least one silicon compound selected from the group consisting of polysiloxanes and silanes (for examples, see page 5, line 33, silicon tetrachloride (=component D of claim 1) (IV) at least one organoaluminum halide compound to obtain a solid product, isolating the solid product, and reacting this solid product (= component C of claim 1). D1 further discloses in example 30 the preparation of a solid catalyst with the above mentioned components (A=Magnesium but oxide, B= zirconium tetrabutoxide, C= ibutyl aluminum dichloride, D= tetramethoxysilane). The problem solved by D1 is to find a catalyst system in which the molecular weight distribution of the resulting polymer can be controlled (page 2, line 10 - line 11).

- 3. Regarding the disclosure of prior art document D1 it is clear that the above listed features A-D are not novel and cannot form a single inventive concept linking the 4 inventions.
- 4. Consequently, neither the objective problem underlying the subjects of the 4 claimed inventions, nor their solutions defined by the technical features allow for a relationship to be established between the said inventions, which involves a single general inventive concept. In conclusion, therefore, the 4 groups of claims are not linked by common or corresponding special technical features and define 4 different inventions not linked by a single general inventive concept. The application, hence does not meet the requirements of Unity of Invention as defined in Rules 13.1 & 13.2 PCT.

The application relates to a plurality of inventions, or groups of inventions, in the sense of Rule 13.1 PCT. They have been divided as defined above. If the applicant pays additional fees for one (or more) not yet searched group(s) of invention(s), then the further search(es) may reveal further prior art that gives evidence of a further lack of unity 'a posteriori' within one (or more) of the not yet searched group(s). In such a case only the first invention in this (each of these) group(s) of inventions, which is considered to lack unity of invention, will be the subject of a search.

No further invitation to pay further additional fees will be issued. This is because Article 17(3)(a) PCT stipulates that the ISA shall establish the International Search Report on those parts of the international application which relate to the invention first mentioned

...)

International application No.

INVITATION TO PAY ADDITIONAL FEES

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in the claims ('main invention') and for those parts which relate to inventions in respect of which the additional fees were paid. Neither the PCT nor the PCT guidelines provide a legal basis for further invitations to pay further additional search fees (W17/00, point 11 and W1/97, points 11-16).

Angular Form PCT/ISA/206 COMMUNICATION RELATING TO THE RESULTS OF THE PARTIAL INTERNATIONAL SEARCH

- 1.The present communication is an Annex to the invitation to pay additional fees (Form PCT/ISA/206). It shows the results of the international search established on the parts of the international application which relate to the invention first mentioned in claims Nos.:
- see 'Invitation to pay additional fees' 2. This communication is not the international search report which will be established according to Article 18 and Rule 43.
- 3. If the applicant does not pay any additional search fees, the information appearing in this communication will be considered as the result of the international search and will be included as such in the international search report.
- 4.If the applicant pays additional fees, the international search report will contain both the information appearing in this communication and the results of the international search on other parts of the international application for which such fees will have been paid.

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
×	EP 0 522 424 A (TOSOH CORP) 13 January 1993 (1993-01-13)	1-16
	page 3, line 8 - line 18 page 5, line 33	
٠.	page 5, line 50 -page 6, line 38 page 6, line 31 - line 33	
	page 15; example 30	·
A .	WO 01 38405 A (BASELL POLYOLEFINE GMBH; ALT FRANK (DE); BOEHM LUDWIG (DE); SCHOEN) 31 May 2001 (2001-05-31) * the whole document *	1-16
A .	EP 0 607 773 A (HOECHST AG) 27 July 1994 (1994-07-27) * the whole document *	1-16
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° Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O" document referring to an oral disclosure, use, exhibition or other means

P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

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Patent Family Annex rmation on patent family members

mational Application No PCT/EP 03/08472

Patent document cited in search report	Publication date	Patent f memb		Publication date
EP 0522424 A	13-01-1993	JP 500 JP 321 JP 503 CA 207 DE 6921 DE 6921 EP 052	86891 B2 09216 A 11268 B2 39318 A 72961 A1 15982 D1 15982 T2 22424 A2 20003 B1	11-09-2000 19-01-1993 25-09-2001 19-02-1993 04-01-1993 30-01-1997 07-05-1997 13-01-1993 20-11-2001
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EP 0607773 A	27-07-1994	AU 536 BR 946 CA 211 CZ 946 DE 5946 EP 066 ES 215 JP 627 RU 211 US 591	59239 B2 02694 A 00034 A 12954 A1 00027 A3 09551 D1 07773 A1 52265 T3 79540 A 07680 C1 07100 A	30-05-1996 14-07-1994 26-07-1994 08-07-1994 13-07-1994 23-11-2000 27-07-1994 01-02-2001 04-10-1994 20-08-1998 29-06-1999 17-08-1994